



**XIII International Research-Technical
Conference on the Problems of Designing,
Construction and Use of Low Energy Housing**

ENERGODOM 2018

organized under auspices of
HM Rector of the Cracow University of Technology
The Dean of Civil Engineering Faculty

CRACOW, SEPTEMBER 11 - 13, 2018
**PRELIMINARY ANNOUNCEMENT
AND CALL FOR PAPERS**

Leading topic of the 2018 Conference
Toward ZERO ENERGY Buildings

Panel session
**Energy demand reduction of existing building
stock as a tool to fight smog**

More info:

www.energodom.eu

energodom@energodom.eu



**ENERGODOM 2018
Honorary Committee:**

Milan Bielek
Wojciech Dzieniszewski
Piotr Klemm
Elżbieta Kossecka
Wiesław Ligęza
Wojciech Marks
Lech Śliwowski

**ENERGODOM 2018
Scientific Committee:**

Umberto Berardi, Toronto, Canada
Boris Bielek, Bratislava, Slovakia
Mark Bomberg, Hamilton, Canada
Dorota Bzowska, Warszawa, Poland
Wacław Celadyn, Kraków, Poland
Dorota Chwieduk, Warszawa, Poland
Robert Černý, Prague, Czech Republic
Pavol Ďurica, Žilina, Slovakia
Antonio Frattari, Trento, Italy
Halina Garbalińska, Szczecin, Poland
Dariusz Gawin, Łódź, Poland
Hua Ge, Montreal, Canada
Robert Geryło, Warszawa, Poland
Dariusz Heim, Łódź, Poland
Sabine Hoffmann, Kaiserslautern, Germany
Shuichi Hoko, Kyoto, Japan
Irena Ickiewicz, Białystok, Poland
Hanna Jędrzejuk, Warszawa, Poland
Dusan Katunsky, Kosice, Slovakia
Katarzyna Klemm, Łódź, Poland
Halina Koczyk, Poznań, Poland
Jan Kosny, Boston, USA
Jarek Kurnitski, Aalto, Finland
Hartwig Künzel, Holzkirchen, Germany
Lech Licholai, Rzeszów, Poland
Piotr Lis, Częstochowa, Poland
Thomas Lützkendorf, Karlsruhe, Germany
Antoni Malinowski, Lviv, Ukraine
Peter Matiasovsky, Bratislava, Slovakia
Henryk Nowak, Wrocław, Poland
Vojislav Novakovic, Trondheim, Norway
Jacek Nurzyński, Warszawa, Poland
Marco D'Orazio, Ancona, Italy
Vasco Peixoto de Freitas, Porto, Portugal
Michał Piasecki, Warszawa, Poland
Jerzy Zbigniew Piotrowski, Kielce, Poland
Jan Radoń, Kraków, Poland
Anna Sedláková, Kosice, Slovakia
Zuzanna Vranayova, Kosice, Slovakia
Robert Wójcik, Olsztyn, Poland
David Yarbrough, Cookeville, USA
Daniel Zirkelbach, Holzkirchen, Germany
Tomasz Kisilewicz, Kraków, Poland, CHAIR

Leading Topic of the 2018 Conference

Toward ZERO ENERGY Buildings

ENERGODOM 2018 is an important event that intends to bring together energy conscious scientist and practitioners. Participants from EU Member States and other countries are expected to define the present state of the art that exists in this field, to show not only advantages but also shades of contemporary standards and trends, pointing out the technical feasibility, social acceptance, and economic efficiency of low energy housing.

The development of modern, zero-energy buildings with high energy performance has become possible by academic research through simulation models, laboratory samples, and experimental buildings. Optimized design procedures significantly cover energy demand from on-site renewable sources, as required in the European Directive.

In 2018, we would like to reemphasize, as we did in 2014, the necessity of extensive retrofitting of existing building stock to the low energy standard. Especially in Central Europe, poorly-insulated, large concrete slab buildings are densely populated, and for the next decades, these buildings will remain an important part of the total building stock. Another important aspect of thermal refurbishment of existing buildings is the improvement of indoor environment quality, including heating conditions as well as protection against overheating.

Prospective implementation of the EU Directive and the urgent necessity to rapidly increase the number of existing (not only newly built) nearly zero-energy buildings demands comprehensive actions and a new awareness of the investors, designers, contractors, and workers. Let us try to create this awareness.

ENERGODOM 2018 Main Issues

Since the very beginning, this conference stood as a forum for those interested in low energy housing, building physics, and all related fields, allowing us to:

- reveal research findings,
- exchange opinions and gathered experience,
- present new ideas, technologies, and materials,
- introduce local and international contacts and cooperation.

The following main issues are suggested for **ENERGODOM 2018**:

1. Building, environment, sustainable development.
2. Thermal retrofitting.
3. Building envelope systems and materials.
4. Computer aided modeling and design (under auspices of IBPSA).
5. Renewable energy sources and energy storage.
6. Low energy and intelligent building installations.
7. Laboratory and in-situ testing and data acquisition.
8. Building Information Modeling (BIM).

We hope that the contributions and presentations delivered by the authors will be inspiring and will bring on animated discussion.



Maracki Church

Call for Papers

The conference language of **ENERGODOM 2018** is English.

All the papers accepted by double peer review will be published in open-access proceedings journal: *IOP Conference Series: Materials Science and Engineering (MES)*, indexed in ISI **Web of Science** (Conference Proceedings Citation Index), **Scopus**, Ei Compendex. Authors will be responsible for formatting the text of the articles according to the publishing requirements.

The best three papers, as selected by Editor, will be published in the Journal of Building Physics. Selected papers will also be printed in Technical Transactions of Cracow University of Technology (list B – 12 points).

Electronic abstract submission and registration: www.energodom.eu



Sukiennice on The Main Square

Conference Fee

Conference fee before June 15, 2018: 190 € or 800 PLN
Conference fee after June 15, 2018: 240 € or 1000 PLN

Conference fee covers:

- admission to all scientific programs
- 1 paper publication per participant
- coffee breaks (x6)
- lunches (x3)
- banquet
- touristic event.

If more than one paper is submitted by one participant, an additional fee of 50 € or 200 PLN applies per paper. Accommodation costs are not included in conference fee.



Cracow University of Technology
fot. Jan Zych

Venue

The **ENERGODOM 2018** conference will be held on September 11-13, 2018, on the main campus of Cracow University of Technology – Kraków, ul. Warszawska 24.

Further details regarding venue, accommodation and payment will be available later on our website: www.energodom.eu.

Important Dates

Abstract submission opened	October 15, 2017
Abstract submission closed	December 15, 2017
Abstracts acceptance	December 31, 2017
Paper submission open	February 1, 2018
Paper submission closed	March 31, 2018
Paper review	April - May 2018
Paper acceptance	May 31, 2018
Revised paper submission closed	June 30, 2018
ENERGODOM 2018	September 11-13, 2018
Paper publication	September - October 2018

Organizing Committee:

Division of Building and Building Physics
Cracow University of Technology, Poland

Dorota Kram
Katarzyna Nowak
Jacek Dębowski
Bartłomiej Kurdziel

Conference Bureau:

Politechnika Krakowska
ul. Warszawska 24
31-155 Kraków
phone: +48 12 628 2397
fax: +48 12 628 2025